

# **Revision of Unit - 2**

## **DSE Core 2:**

## **MVC Design Pattern in PHP**

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# Unit – 2 (Revision)

- What is library in codeigniter? Why library?
- Benchmarking Class
- Input(form validation) and Security Class
- Email Class
- File Uploading Class
- Session Class

# What is library in codeigniter? Why?

- library is essential part of a Codeigniter framework.
- It provides a rich set of functionality, which indirectly increase the speed of developing an application
- There are three methods to create a library,
  - Creating an entire new library
  - Extending native libraries
  - Replacing native libraries
- `$this->load->library('class_name');`
- `$this->load->library(array('email', 'session'));`

# Benchmarking Class

```
1 <?php
2 $this->benchmark->mark('code_start');
3 // Some code happens here
4 $this->benchmark->mark('code_end');
5
6 echo $this->benchmark->elapsed_time('code_start', 'code_end');
7
8 echo $this->benchmark->elapsed_time();
9 ?>
```

```
1 <?php
2 {elapsed_time}
3 ?>
```

# Benchmarking Class

- Displaying Memory Consumption

```
1 <?php
2     echo $this->benchmark->memory_usage();
3 ?>
```

- pseudo-variable

```
1 <?php
2     {memory_usage}
3 ?>
```

# Input(form validation)

```
1  <?php
2      //set validation rule
3      $this->form_validation->set_rules()
4
5      //run all validation rules
6      $this->form_validation->run()
7
8      //list all validation errors
9      validation_errors();
10
11     //set error delimiters
12     $this->form_validation->set_error_delimiters('<div class="error">', '</div>');
13
14     //print error with corresponding input
15     form_error('field name', '<div class="error">', '</div>');
16
17     ?>
```

# Input(form validation)

```
1 <?php
2     $this->form_validation->set_rules('username', 'Username', 'required');
3     $this->form_validation->set_rules('password', 'Password', 'required');
4     $this->form_validation->set_rules('passconf', 'Password Confirmation', 'required');
5     $this->form_validation->set_rules('email', 'Email', 'required');
6 ?>
```

```
1 <?php
2     if ($this->form_validation->run() == FALSE){
3         $this->load->view('myform');
4     }
5     else{
6         $this->load->view('formsuccess');
7     }
8 ?>
```

```
1 <?php
2     $this->form_validation->set_message('rule', 'Error Message');
3 ?>
```

# Email Class

```
1  <?php
2      $this->load->library('email');
3
4      $this->email->from('your@example.com', 'Your Name');
5      $this->email->to('someone@example.com');
6      $this->email->cc('another@another-example.com');
7      $this->email->bcc('them@their-example.com');
8
9      $this->email->subject('Email Test');
10     $this->email->message('Testing the email class.');
```

11

```
12     $this->email->send();
13  ?>
```



# Email Class

Preference	Default Value	Options	Description
useragent	CodeIgniter	None	The “user agent”.
protocol	mail	mail, sendmail, or smtp	The mail sending protocol.
mailpath	/usr/sbin/sendmail	None	The server path to Sendmail.
smtp_host	No Default	None	SMTP Server Address.
smtp_user	No Default	None	SMTP Username.
smtp_pass	No Default	None	SMTP Password.
smtp_port	25	None	SMTP Port.

# File Uploading Class

```
1  <head>
2  <title>Upload Form</title>
3  </head>
4  <body>
5      <?php echo $error;?>
6      <?php echo form_open_multipart('upload/do_upload');?>
7          <input type="file" name="userfile" size="20" />
8          <br /><br />
9          <input type="submit" value="upload" />
10     <?php echo form_close();?>
11 </body>
12 </html>
```

# File Uploading Class

```
1  <?php
2  public function do_upload(){
3      $config['upload_path']           = './uploads/';
4      $config['allowed_types']         = 'gif|jpg|png';
5      $config['max_size']               = 100;
6      $config['max_width']              = 1024;
7      $config['max_height']             = 768;
8
9      $this->load->library('upload', $config);
10     if ( ! $this->upload->do_upload('userfile')){
11         $error = array('error' => $this->upload->display_errors());
12         $this->load->view('upload_form', $error);
13     }
14     else{
15         $data = array('upload_data' => $this->upload->data());
16         $this->load->view('upload_success', $data);
17     }
18 }
19 ?>
```

# Session Class

```
1  <?php
2      //adding session data
3      $this->session->set_userdata($array);
4
5      //check session data
6      $this->session->has_userdata('item');
7
8      //print session data
9      echo $this->session->userdata('item');
10
11     //removing session data
12     $this->session->unset_userdata('item');
13
14     //flash data
15     //especially for one-time informational
16     //error or status messages (for example: "Record 2 deleted").
17     $this->session->set_flashdata('item', 'value');
18
19     //print flash data
20     echo $this->session->flashdata('item');
21     ?>
```